



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Livestock Facility Inspection Checklist

GENERAL INFORMATION

TYPE OF INSPECTION: <input checked="" type="checkbox"/> CAFO <input type="checkbox"/> COMPLAINT <input type="checkbox"/> RECONNAISSANCE <input type="checkbox"/> ERU FOLLOW UP <input type="checkbox"/> OPERATOR REQUEST <input type="checkbox"/> OTHER							
FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.) Elm Farms, Inc.					INSPECTION DATE 5-26-11		ARRIVAL TIME 10:05AM
ADDRESS 15542 Bottom Prairie Rd					INSPECTOR(s) Joseph D. Stitely		DEPARTURE TIME 3:30PM
CITY Okawville			STATE IL	ZIP CODE 62271	ACCOMPANIED BY (if applicable) Brian E. Rodely		
LEGAL DESCRIPTION		COUNTY Washington	SECTION 18	TOWNSHIP 1S	RANGE 4W	TEMPERATURE 57	PRECIPITATION TYPE 0.5 & Drizzle
Facility Owner(s): <small>Exemption 6 and Exemption 7(C)</small>	NAME Larry, Wayne, Norbert, Hadley Hasheider				CONTACTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	PHONE	MOBILE
	ADDRESS			CITY		STATE	ZIP CODE
	NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO	PHONE	MOBILE
	ADDRESS			CITY		STATE	ZIP CODE
Facility Operator(s): <small>Exemption 6 and Exemption 7(C)</small>	NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO	PHONE	MOBILE
	ADDRESS			CITY		STATE	ZIP CODE
	NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO	PHONE	MOBILE
	ADDRESS			CITY		STATE	ZIP CODE

NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)

1. What type of NPDES permit has been issued? <input type="checkbox"/> Individual NPDES Permit <input type="checkbox"/> General NPDES Permit		NPDES #
2. What date was the NPDES permit issued?		
3. What date does the NPDES permit expire?		
4. Is a copy of the NPDES permit onsite?		<input type="checkbox"/> YES <input type="checkbox"/> NO
5. Permitted number of animal units?		
6. Does the NPDES Permit contain a compliance schedule?		<input type="checkbox"/> YES <input type="checkbox"/> NO
7. Have there been any changes made to the production area since the permit was issued?		<input type="checkbox"/> YES <input type="checkbox"/> NO
If "YES", provide a detailed description of those changes.		

None

LAND APPLICATION/NUTRIENT MANAGEMENT		
1. How many TOTAL acres are available for land application? <u>1341</u> acres		
2. How many acres are READILY available for land application at the time of inspection? <u>400</u> acres		
3. Estimated annual quantities of liquid waste <u>4436393</u> gallons		
4. Estimated annual quantities of solid waste <u>66</u> tons		
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: _____	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
6. What type of land application equipment is available to the facility? <input checked="" type="checkbox"/> Umbilical Injection <input type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input type="checkbox"/> Other _____		
7. Does the facility calibrate the land application equipment? If "YES", What method is used? Manufacturer Recommended	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
17. Are records being maintained at the required frequency?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

LIVESTOCK FACILITY DESCRIPTION**Facility Type**☒ Total Confinement Buildings☐ Open Earthen Feedlot☒ Open Confinement Buildings☒ Vegetated Pasture☒ Open Concrete Feedlot☐ Other _____

Type of Animals	Number of Animals (currently)	Capacity	Type of Confinement
SWINE < 55 LBS	9600	21600	Total
SWINE > 55 LBS	6000	13505	Total
BEEF CATTLE	175		Open
DAIRY MILKING	120		Open
DAIRY DRY	30 + 175 Heifers		Open and Vegetated

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)? ☐ N/A ☒ YES ☐ NO

If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan? ☒ N/A ☐ YES ☐ NO

If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review? ☐ N/A ☒ YES ☐ NO

Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below.

None☐ YES ☒ NO**LIVESTOCK WASTE STORAGE**

1. Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO
If NO, then proceed to question 10.

2. General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).
Underfloor deep pit and shallow (3200 pig) underfloor pit with slurrystore for swine. Two stage lagoon flush system for the dairy. Dry scrape and manure stacking for beef operation. Rendering dumpsters.

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input checked="" type="checkbox"/> Holding Pond	Cell 1 - 444,817 gallons Cell 2 -2,195,436 gallons
<input checked="" type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	Old shallow 3200 finish operation 668000 gallons
<input type="checkbox"/> Below Ground Storage Tank	
<input checked="" type="checkbox"/> Settling Basin	
<input checked="" type="checkbox"/> Roofed Storage Shed	
<input type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input checked="" type="checkbox"/> Underfloor Pits	total 6,129,568 gallons equalling 504 days storage
<input type="checkbox"/> Anaerobic Digester	
<input checked="" type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	

3. Do the storage structures have depth markers or staff gauges? ☐ YES ☒ NO

4. Are levels of manure in the storage structures recorded and records kept? ☐ YES ☒ NO

5. Do the storage structures have adequate freeboard? ☒ YES ☐ NO

6. Estimated final stage storage structure freeboard **60-Hog 0-Dairy** in.

7. Do facility personnel perform routine visual inspections of the storage structures? ☒ YES ☐ NO

8. Are the routine visual inspections documented? ☐ YES ☒ NO

9. Does the system have an outfall or discharge point? ☒ YES ☐ NO

If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).

Cell 1 of the two stage holding pond is overflowing on the south west corner flowing into an unnamed tributary to the west under roadway where a culvert discharges feedlot water into the waterway.

10. Are there any portions of the production area where runoff is not controlled? ☒ YES ☐ NO

If "YES", provide a detailed description of the area(s) of concern:

Beef cattle, dry dairy, and milking dairy open lots.

MORTALITIES MANAGEMENT

1. How are mortalities managed? (Composted, buried, burned, rendering service, other)

Rendered by Darling 3 times per week.

2. Are mortalities documented and are records kept? ☒ YES ☐ NO

FACILITY WATER SOURCES

1. What type of method is used to provide drinking water for the animals?
☐ Overflow waters ☐ Tip Tanks ☒ Nipple waters ☒ Water Bowls ☐ Other _____
2. How is the water for animals obtained?
☐ Community PWS ☒ On-Site Well ☒ On-Site Impoundment ☐ Other _____
3. Is a mist cooling system used? ☒ YES ☐ NO
How is mist water contained?
Swine and dairy contained in underfloor pits and holding ponds, respectively.

DAIRY OPERATION (If No Dairy, skip this section)

1. How many times per day are cows milked? 2
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).
None
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.
Hose cleaned and contained in holding ponds.
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.
Cleaned every other day and contained in holding ponds.
5. Describe where process wastewater from the plate cooler goes and how it is contained.
None

BEDDING (If No Bedding, skip this section)

1. Describe what type of bedding is used for the animals.
Sand
2. Describe how bedding is collected and how often.
Concrete settling basin
3. What is done with the used bedding? ☐ Reused ☒ Land Applied

MANURE COLLECTION

1. How is manure collected?
- ☒ Under Floor Pit
☒ Scraped: ☐ Automatic ☒ Manual
☒ Flush
☐ Solids Separator
☐ Other: _____
☐ None
2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.
Water is resued from the second stage holding pond.

FEED STORAGE CONTAINMENT

1. Describe how feed (silage, hay, etc) is contained.
- ☒ Bulk Bins
☐ Silage Pit
☒ Ag Bags
☒ Hay: ☐ Barn ☒ Outdoor
☐ Other: _____
2. Describe how feed (silage, hay, etc) runoff is contained.
- ☐ Not Applicable – Feed totally enclosed
☐ Other: _____
☒ None

RECEIVING SURFACE WATERS

1. Provide a description of the flow path from the facility to the nearest named surface water.
Field ditch, overland flow, and unnamed tributary 2 miles west to Kaskaskia River.
2. What is the name of the receiving stream?
Unnamed tributary originating on-site from field drainage south of the dairy operation.
3. Status of the named surface water: ☐ Intermittent ☒ Perennial
4. Are any unnatural bottom deposits observed in the receiving stream: ☒ YES ☐ NO
If "YES", provide a description of the deposits: **Manure solids from the dairy lot piped under road.**

DISCHARGES

1. Have there been any documented discharges of livestock waste to surface water <i>in the past year?</i> If "NO" proceed to question 2.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
a. If "YES", specify the date(s).		
b. What was the reason for the discharge?		
c. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
d. What was the precipitation amount? <i>(if applicable)</i>		
e. Was IEMA notified of the discharge?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
If "YES", describe actions taken: None		
2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
b. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
c. What was the precipitation amount? <i>(if applicable)</i>		
d. What is the reason for the discharge? Holding pond overflowing/feedlot discharge tile.		

OTHER COMMENTS/NOTES

Swine barns 1-2N and 3-4S are located on the north end Exemption 6 and Exemption 7(C) **Swine Barns 7-8N and 5-6S are located** Exemption 6 and Exemption 7(C) **"Old" swine operation includes buildings 9, 10A, 10B, 11, 12, 13A, and 13B with shallow pits is located** Exemption 6 and Exemption 7(C) **farm and pumped to Slurrystore. No discharges were noted from the swine operation on the date of inspection. Nathan Hasheider** Exemption 6 and Exemption 7(C) **compiled and maintains the CNMP that was last updated in 2009.**

Dairy consists of several small barns, freestall barns with flushing system, and open earthen/concrete feedlots. Sand bedding is recovered in a concrete settling basin and land applied. Runoff was not controlled from earthen feedlots located on the north and south feedlots of the dairy or manure stacking west of road. Two 10" field tiles located on the southwest corner of the south earthen feedlot facilitates wastewater discharge westerly under the road to an unnamed tributary draining west. Cell 1 of the two stage holding pond system was overflowing on the southwest corner of the pond. The beef operation, which consists of open feedlot areas, is located Exemption 6 and Exemption 7(C)

Will an inspection report be attached? ☒ YES ☐ NO

INSPECTOR'S SIGNATURE**REPORT DATE**

August 11, 2011